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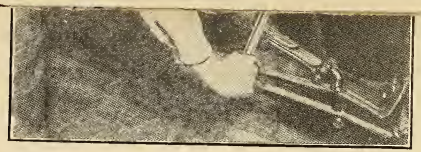
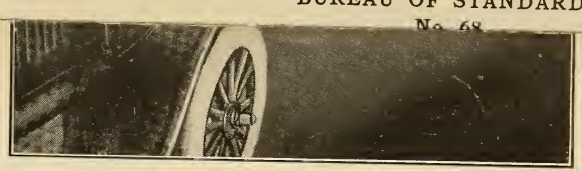
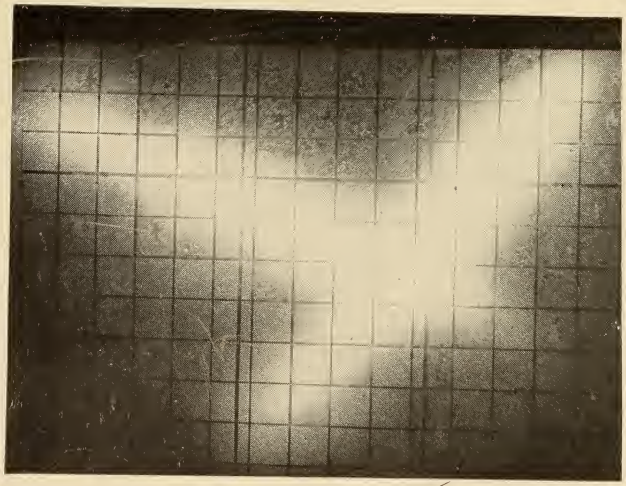


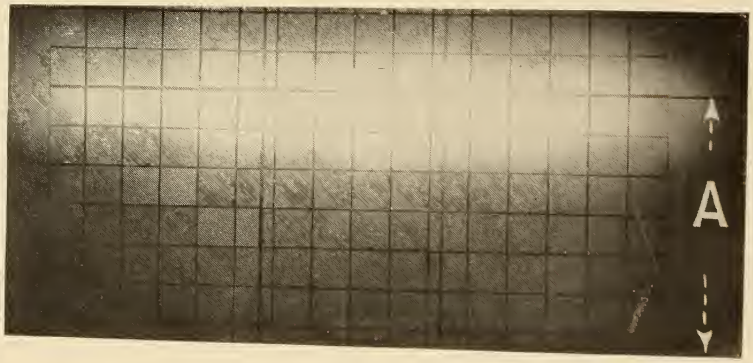
Use tilting iron or wrench



Good Adjustment of both lamps with car loaded



Proper focus but lens twisted



Proper focus but aimed too high. Will glare

A—Height of lamp centers above floor

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GOVERNMENT PRINTING OFFICE

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DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
George K. Burgess, Director

MISCELLANEOUS PUBLICATION OF THE BUREAU OF STANDARDS
No. 68

(Issued September 22, 1925)

Price per copy, 5 cents

ADJUST YOUR HEADLIGHTS

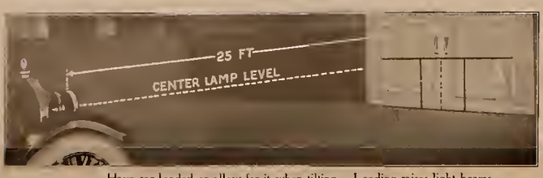
Simple Instructions for Adjustment to Give Better Road Light and Minimize Glare

Prepared by the United States Bureau of Standards

With the cooperation and approval of the National Automobile Chamber of Commerce, the Society of Automotive Engineers, the Illuminating Engineering Society, the Motor and Accessory Manufacturers Association, The National Automobile Dealers Association, The American Automobile Association, American Petroleum Institute, Rubber Association of America, Automotive Electric Service Association, and other trade and service associations.

1. PLACE CAR

Like this on level floor in front of shaded wall or screen

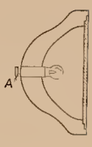


Have car loaded or allow for it when tilting. Loading raises light beams

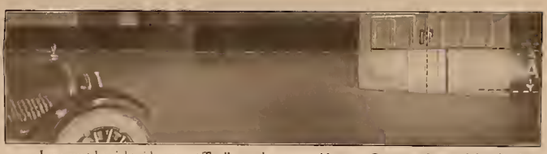
2. FOCUS BULBS

Outside Focusing Adjustment

(Lens must be on)



Turn screw to give horizontal beam pattern with narrowest vertical spread



Lens must be right side out. "Top" must be at top of lamp. Cover one lamp while adjusting other

Inside Focusing Adjustment

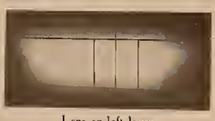
(Lens must be off)

Push or turn lamp to move ratchet

Turn screw in rim

Loosen set screw

Adjust until beam pattern looks like this with lens off



Lens on left lamp
Good focus

3. AIM AND TILT LAMPS

Loosen lamp mounting

Turn lamps horizontally until beams extend straight forward

A—Center left beam

B—Center right beam

Good Adjustment with car loaded

A—Height of lamp centers above floor

Tilt lamp upward or downward. Bring beam pattern below horizontal

Cars Without Adjustable Lamp Brackets

Use tilting iron or wrench

Good Adjustment of both lamps with car loaded

Proper focus but lens twisted

Proper focus but aimed too high. Will glare

A—Height of lamp centers above floor

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